

Our Reference: B8857

Your Reference: MCUI3171/2019

**30 January 2020**

Mr Daniel Lamond  
Town Planner  
Douglas Shire Council  
[daniel.lamond@douglas.qld.gov.au](mailto:daniel.lamond@douglas.qld.gov.au)

Dear Mr Lamond,

**RE: PROPOSED MOBILE TELECOMMUNICATIONS FACILITY  
4/3910 Cape Tribulation Road, Cape Tribulation QLD 4873  
Information Request 912301 for MCU|3171/2019**

Further to Council's Information Request issued 31 July 2019 and the response from Metasite dated December 12<sup>th</sup> 2019, we also wish to submit the attached plans as the newest plans for the proposed development, to supersede the existing plans provided to council.

The change to the drawings is considered minimal and a favourable adjustment to the original proposal. The change is limited to the lattice tower which was originally proposed to be a square lattice tower (four sides with four legs) to a triangular lattice tower (three sided with three legs). The new proposed tower is the same height as the original proposed tower.

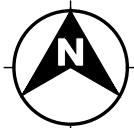
This change will not impact any of the other proposed equipment on site and will reduce the visual impact of the facility.

We hope this change does not create any issues for council and are happy to provide any further information council may require.

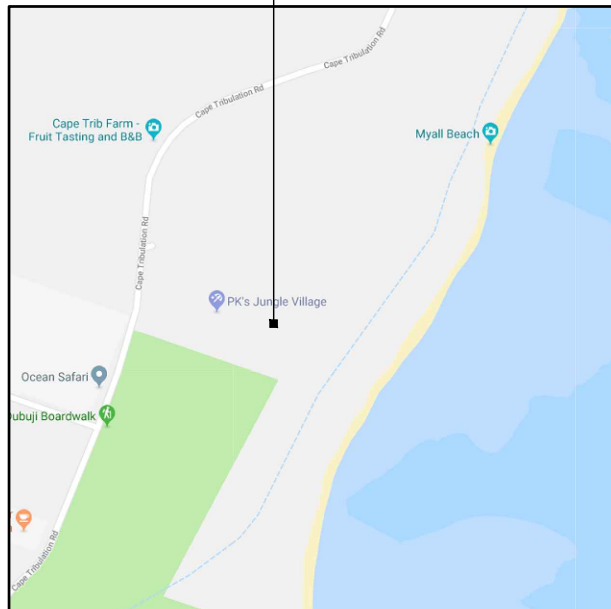
Kind Regards,



Joel Stuart  
*Environmental Consultant, Metasite Pty Limited*  
**On Behalf of Optus Mobile Pty Ltd**

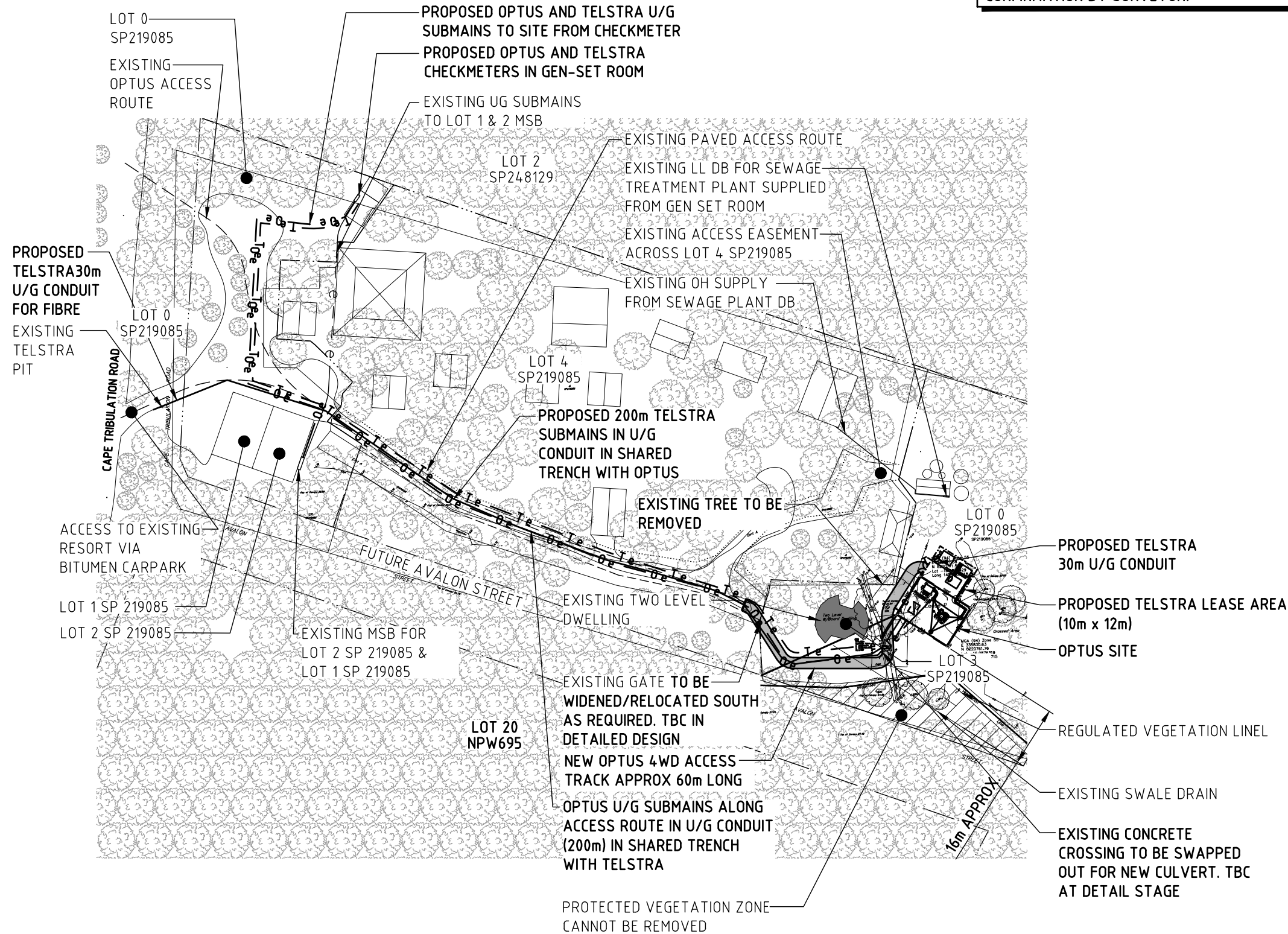


PROPOSED OPTUS  
BASE STATION



**LOCALITY MAP**  
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**NOTE:**  
THIS DRAWING IS DIAGRAMMATIC ONLY AND SHOULD NOT BE SCALED. DIMENSIONS, COORDINATES, AND LEVELS SHOWN ARE NOMINAL AND SUBJECT TO CONFIRMATION BY SURVEYOR.



**LEGEND:**

- LOT BOUNDARIES
- 0 e - 0 e - OPTUS SUBMAINS
- T e - T e - TELSTRA SUBMAINS
- SURVEY MARKER
- - - e - - - e - EXISTING ELECTRICAL CABLES
- — — OPTUS SITE ACCESS ROUTE
- - - - - EXISTING PAVED ACCESS ROUTE
- ..... EXISTING EASEMENT
- █ PROPOSED ACCESS TRACK

**OVERALL SITE PLAN**  
SCALE 1:1250

Rev	Date	Revision Details	Consultant	CAD	Designer	Verifier	Approver
03	28.01.20	ISSUED FOR APPROVAL	METASITE	AU	RT	RT	PJ
02	28.06.19	ISSUED FOR APPROVAL	HUAWEI	BL	AP	BC	JH
01	22.12.17	ISSUED FOR APPROVAL	OPUS	AW	AP	BC	JH

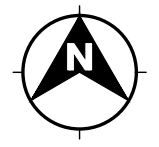


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Client:  
Project:  
**MOBILE NETWORK AUSTRALIA**  
SITE No. B8857 - Q  
**CAPE TRIBULATION**  
CAPE TRIBULATION ROAD, CAPE TRIBULATION

Drawing Title:  
**ACCESS TRACK PLAN**  
Drawing Status:  
**FOR APPROVAL**  
Drawing No.  
**B8857-P1**  
Revision  
**03**



PROPOSED TELSTRA 3m WIDE 4WD ACCESS TRACK

PROPOSED OPTUS EQUIPMENT SHELTER SUPPORTED ON STEEL SUPPORT PLATFORM ABOVE 1:100 FLOOD LEVELS. (TO BE CONFIRMED AT DETAILED DESIGN)

PROPOSED OPTUS AC POWER DRAW PIT

PROPOSED RECYCLED CONCRETE GROUND COVER

PROPOSED OPTUS GENERATOR PARKING 3m x 2m

PROPOSED OPTUS SECURITY FENCE AND ACCESS GATES

PROPOSED OPTUS U/G POWER SUBMAINS TO RUN TO PROPOSED OPTUS SHELTER

PROPOSED OPTUS 3m WIDE 4WD ACCESS TRACK

PROPOSED OPTUS 50m HIGH LATTICE TOWER

PROPOSED TELSTRA STANDBY GENERATOR SUPPORTED ON CONCRETE SLAB, GENERATOR TYPE & SIZE, TBC AT DETAILED DESIGN

PROPOSED TELSTRA NETWORK CABLE IN U/G CONDUIT IN NEW TRENCH (30m)

PROPOSED TELSTRA U/G SUMAINS IN CONDUIT IN NEW U/G TRENCH (30m)

PROPOSED TELSTRA MK4.0 SHELTER ON STEEL ELEVATED PLATFORM

PROPOSED TELSTRA NETWORK CABLE DRAW PIT

PROPOSED TELSTRA 1.8m SATELLITE DISH AND ODU SUPPORTED ON SKID STEEL BASE FRAME

PROPOSED TELSTRA 300mm CABLE TRAY ON SUPPORT POSTS

PROPOSED OPTUS FEEDERS TO RUN IN 450 WIDE ELEVATED CABLE LADDER ON SUPPORT POSTS

OPTUS RRU'S (16-OFF PROPOSED)

OPTUS ANCILLARIES (8-OFF PROPOSED)

PROPOSED OPTUS PANEL ANTENNAS (4-OFF)

MGA ZONE 55  
E 335 830  
N 8 220 762  
AT € LATTICE TOWER

PROPOSED OPTUS (1800mm) PARABOLIC ANTENNA (1 OFF PROPOSED)

**SITE ADDRESS:**  
LOT 0 / SP219085  
CAPE TRIBULATION ROAD,  
CAPE TRIBULATION, QLD 4873

- NOTES:**
- BASIS OF DESIGN**
    - > SITE INSPECTION 19/06/2019
  - PANEL ANTENNAS**
    - > 1-OFF PROPOSED HUAWEI ASI4517R1 12 PORT ANTENNA PER SECTOR (EACH 2.8m MAX. LONG) AT EL 49.00m.
    - > SECTOR 1 - 20°, SECTOR 2 - 110°, SECTOR 3 - 210°, SECTOR 4 - 290°
    - > MOUNTED TO STAND OFF MOUNTS ON HEADFRAME.
  - TRANSMISSION**
    - > Ø1800 PARABOLIC ANTENNA AT EL 45.00m (1 OFF PROPOSED)
  - EQUIPMENT SHELTER**
    - > PROPOSED ICS TYPE A2 SHELTER (2.5m x 1.8m WITH AIRCONS).
    - > SUPPORTED ELEVATED STEEL PLATFORM ABOVE 1:100 LEVEL.
  - OPTUS LATTICE TOWER**
    - > PROPOSED 50m HIGH LATTICE TOWER WITH OPTUS SQUARE HEADFRAME AT EL 49.00m.
  - FEEDER CABLES**
    - > SIZE: 6/12 (4 OFF) TRUNK CABLE
    - > LENGTH: 60m
    - > PROPOSED TRUNK CABLES TO RUN FROM SHELTER IN 450 WIDE ELEVATED CABLE LADDER THEN RUN UP LATTICE TOWER UTILISING FEEDER SUPPORT BRACKETS.
  - SITE ACCESS**
    - > SITE ACCESS VIA EXISTING BITUMEN CARPARK AND THEN VIA NEW 50m APPROX. 4WD ACCESS TRACK. ENTRY OFF CAPE TRIBULATION ROAD.
    - > OPTUS SITE 250m FROM CAPE TRIBULATION ROAD ENTRY.
  - ANTENNA ACCESS**
    - > CLIMBING LADDER AND DOUBLE LANYARD ACCESS PROVIDED ON LATTICE TOWER.
  - POWER SUPPLY**
    - > PROPOSED OPTUS CHECK METER TO BE INSTALLED IN LANDLORDS' GEN SET ROOM AND 3-PHASE AC POWER TO BE PROVIDED FROM THE GEN SET. OPTUS AC POWER SUBMAINS TO TAKE SHORTEST ROUTE TO OPTUS SHELTER.
    - > PROPOSED U/G OPTUS AC POWER SUBMAINS >320m APPROX.
    - > DETAILS TO BE CONFIRMED AT DETAILED DESIGN.
  - OTHER (PAINTING, LANDSCAPING, SCREENING)**
    - > PROPOSED OPTUS EQUIPMENT INCLUDES, LATTICE TOWER, HEADFRAME, MOUNTS, SHELTER, SHELTER PLATFORM, ANTENNAS, RRUS, ANCILLARIES TO BE PAINTED BLACK.

**SITE LAYOUT**  
SCALE 1:100

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**OPTUS**

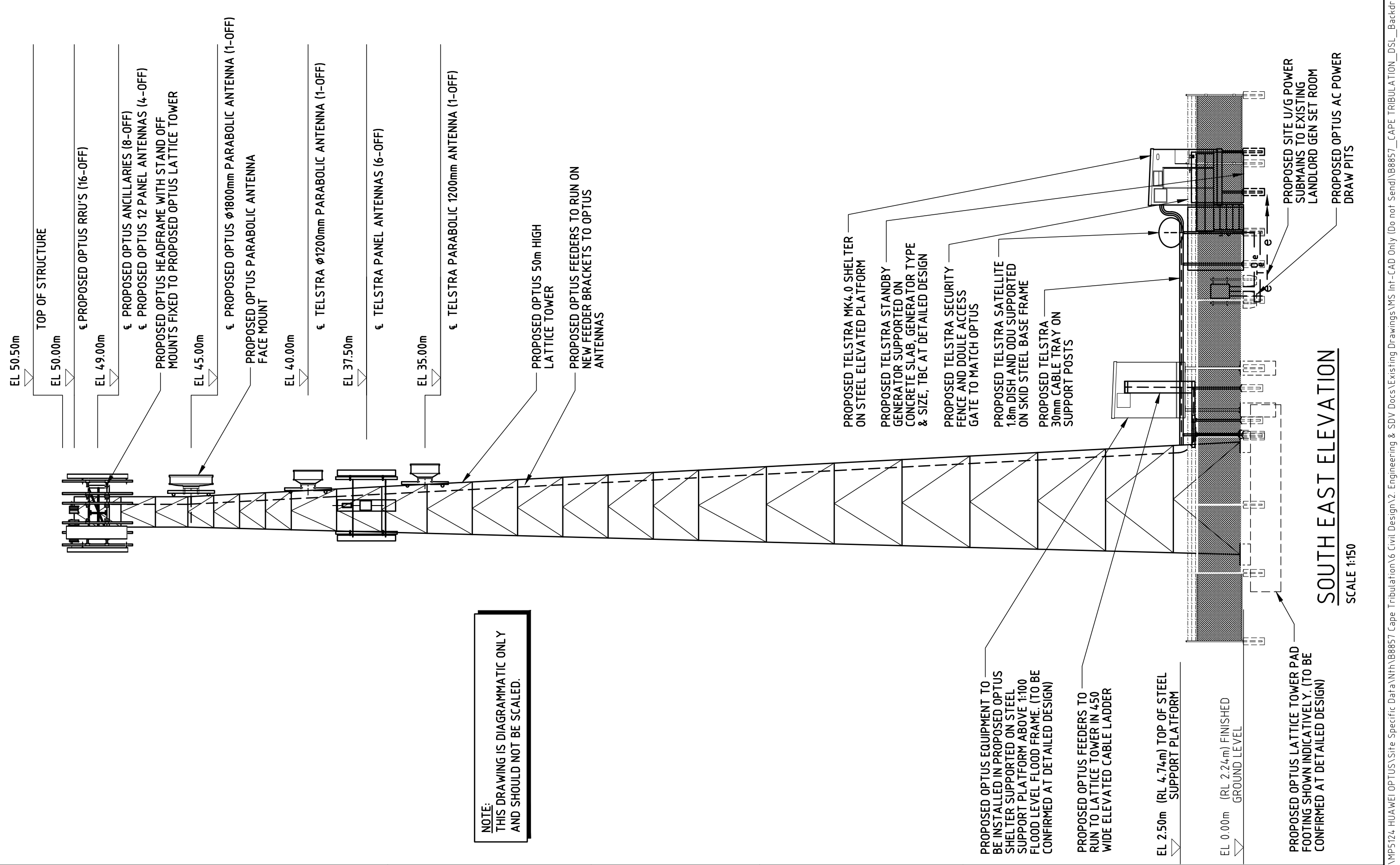
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CAPE TRIBULATION ROAD, CAPE TRIBULATION

Drawing Title:  
**DRAFT SITE LAYOUT SHEET 1**

Drawing Status:  
**FOR APPROVAL**

Drawing No.  
**B8857-P1**

Revision  
**03**



**SOUTH EAST ELEVATION**  
SCALE 1:150

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Drawing Title:  
**DRAFT SITE ELEVATION**

Drawing Status:  
**FOR APPROVAL**

Drawing No.  
**B8857-P3**

Revision  
**03**